

AGENDA

Opportunities in Earth, Environmental and Extreme Conditions Science at hard x-ray diffraction limited storage rings

June 1-2, 2015
Advanced Photon Source
Building 401, Room A5000
Argonne National Laboratory

Our goal is to produce the document in its final form by **June 15, 2015**.

June 1

- 8:00 AM Badging and Coffee
- 8:30 AM Stephen Streiffer (Argonne National Laboratory): *Welcome to workshop*
- 8:50 AM Tony Lanzirotti (University of Chicago): *Overview of the objectives of this workshop*
- 9:00 AM Discussion
- 9:10 AM Dean Haeffner (Argonne National Laboratory): *New capabilities – X-ray source and optical considerations for the APS-U*
- 9:30 AM Malcolm McMahon (University of Edinburgh): *High-pressure X-ray science on the ultimate storage ring*
- 9:50 AM Discussion
- 10:00 AM Break and Coffee
- 10:15 AM Steve Sutton (University of Chicago): *The DLLS and Extraterrestrial Materials*
- 10:35 AM Steve Heald (Argonne National Laboratory): *The APS DLLS and new opportunities for spectroscopy*
- 10:55 AM Discussion
- 11:15 AM Paul Fenter (Argonne National Laboratory): *Opportunities in Interfacial Science using the DLLS*
- 11:35 AM Stefan Vogt (Argonne National Laboratory): *Unique Opportunities for Imaging with the APS MBA upgrade*
- 11:55 AM Jennifer Jackson (Caltech): *Emerging Opportunities in Scattering Experiments for Earth and Planetary Sciences*

- 12:30 PM Working Lunch: John Parise (Stony Brook University), *Proposed Report Layouts and Topics to be Included.*
- 1:45 PM Breakout Topic Discussions and move to breakout rooms
- 1:50 PM Break-out in to two smaller working groups (need moderators)
- Location for Breakouts A5000 and B5100
- Short snapshots presented by participants: 3 slides/person (1 science case – 2 what experiment – 3 technical requirements and wish list)
- Category 1: Earth & Environmental Sciences
 - Category 2: Extreme Conditions Science
- 3:00 PM Break
- 3:30 PM Reconvene and Reporting from break-outs and outlook
- 4:30 PM Begin writing
- 6:00 PM Dinner on your own

June 2

8:30 AM John Parise (Stony Brook University): *Review and presentation of initial reports*

Finish before lunch